

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: May 31, 2003, 02:58:16 / Search time 165.751 Seconds  
(without alignments)  
7858.306 Million cell updates/sec

Title: US-09-728-421E-6

Perfect score: 966  
Sequence: 1 atgcagctaaagtcctcgtg.....ttgacttacagacacgcgc 966

Scoring table: IDENTITY NUC  
Gapop 10'-0', Gapext 1.0

Searched: 845702 seqs, 674182571 residues

T number of hits satisfying chosen parameters: 1691404

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Published Applications NA.\*  
1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq.\*  
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3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq.\*  
4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq.\*  
5: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq.\*  
6: /cgn2\_6/ptodata/1/pubpna/PCTUS\_PUBCOMB.seq.\*  
7: /cgn2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq.\*  
8: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq.\*  
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12: /cgn2\_6/ptodata/1/pubpna/US10\_PUBCOMB.seq.\*  
13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq.\*  
14: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	538.2	55.7	2729	9	US-10-152-661-555
2	538.2	55.7	2729	9	US-09-866-050A-555
3	299.2	31.0	2114	9	US-10-091-438-101
4	299.2	31.0	2114	10	US-09-764-853-392
5	299.2	31.0	2751	10	US-09-789-561-64
6	298	30.8	2616	10	US-09-764-853-210
7	298	30.8	2622	9	US-10-091-438-99
8	298	30.8	2622	10	US-09-764-853-390
9	298	30.8	2751	9	US-10-091-438-39
10	35.4	3.7	1443	9	US-10-077-023-4
11	35.4	3.7	1443	10	US-09-875-338-4
12	34.2	3.5	383	9	US-09-864-761-3643
13	34.2	3.5	491	9	US-10-123-155-278
14	33.8	3.5	5986	9	US-10-239-676-145
15	33.4	3.5	1879	10	US-09-917-800A-1655
16	33.2	3.4	236	10	US-09-783-590-61
17	33.2	3.4	1008	9	US-10-043-487-206
18	33.2	3.4	1024	9	US-10-123-155-198
19	33	3.4	229	10	US-09-960-352-15003

C 20	33	3.4	425	10	US-09-960-352-9888	Sequence 9888, App
C 21	33	3.4	930	9	US-10-128-870-17	Sequence 17, Appl
C 22	33	3.4	930	9	US-10-131-685-17	Sequence 17, Appl
C 23	33	3.4	2565	9	US-10-128-870-26	Sequence 26, Appl
C 24	33	3.4	2565	9	US-10-131-685-26	Sequence 26, Appl
C 25	33	3.4	203654	10	US-09-820-905-3	Sequence 3, Appl
C 26	32.6	3.4	370	9	US-09-907-969-346	Sequence 346, App
C 27	32.6	3.4	370	10	US-09-884-441-346	Sequence 346, App
C 28	32.6	3.4	32188	9	US-10-074-095-799	Sequence 799, App
C 29	32.6	3.4	32188	10	US-09-764-860-799	Sequence 799, App
C 30	32.6	3.4	186957	9	US-10-185-770-3	Sequence 3, Appl
C 31	32.4	3.4	873	10	US-09-910-174A-22	Sequence 22, Appl
C 32	32.4	3.4	968	9	US-10-115-615-1	Sequence 1, Appl
C 33	32.4	3.4	968	12	US-10-002-775-1	Sequence 1, Appl
C 34	32.4	3.4	1553	9	US-10-115-615-3	Sequence 3, Appl
C 35	32.4	3.4	1553	12	US-10-002-775-3	Sequence 3, Appl
C 36	32.4	3.4	1604	9	US-10-077-023-1	Sequence 1, Appl
C 37	32.4	3.4	1604	10	US-09-875-338-1	Sequence 1, Appl
C 38	32.4	3.4	2051	10	US-09-917-800A-1325	Sequence 1325, App
C 39	32.4	3.4	3255	9	US-09-938-842A-559	Sequence 559, App
C 40	32.4	3.4	3575	10	US-09-796-858-41	Sequence 41, Appl
C 41	32.4	3.4	3600	9	US-10-077-023-3	Sequence 3, Appl
C 42	32.4	3.4	3600	10	US-09-875-338-3	Sequence 3, Appl
C 43	32	3.3	30350	9	US-10-118-328-3	Sequence 3, Appl
C 44	32	3.3	32204	9	US-10-091-483-306	Sequence 306, App
C 45	32	3.3	32204	10	US-09-764-846-306	Sequence 306, App

#### ALIGNMENTS

RESULT 1  
US-10-152-661-555  
Sequence 555, Application US/10152661  
Publication No. US20030022835A1  
GENERAL INFORMATION:  
APPLICANT: Watson, James D.  
APPLICANT: Strachan, Lorna  
APPLICANT: Sleeman, Matthew  
APPLICANT: Onrust, Rene  
APPLICANT: Muirson, James G.  
APPLICANT: Kumble, Krishanand D.  
TITLE OF INVENTION: Compositions isolated from skin cells  
FILE REFERENCE: 11000.10115  
CURRENT APPLICATION NUMBER: US/10/152,661  
CURRENT FILING DATE: 2002-05-20  
PRIOR APPLICATION NUMBER: 09/866,050  
PRIOR FILING DATE: 2001-05-24  
PRIOR APPLICATION NUMBER: 60/221,232  
PRIOR FILING DATE: 2000-07-25  
PRIOR APPLICATION NUMBER: 60/206,650  
PRIOR FILING DATE: 2000-05-24  
PRIOR APPLICATION NUMBER: 09/312,283  
PRIOR FILING DATE: 1999-05-14  
PRIOR APPLICATION NUMBER: PCT/NZ99/00051  
PRIOR FILING DATE: 1999-04-29  
PRIOR APPLICATION NUMBER: 09/188,930  
PRIOR FILING DATE: 1998-11-09  
PRIOR APPLICATION NUMBER: 09/069,726  
PRIOR FILING DATE: 1998-04-29  
NUMBER OF SEQ ID NOS: 725  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 555  
LENGTH: 2729  
TYPE: DNA  
ORGANISM: Rat  
US-10-152-661-555

Query Match 55.7%; Score 538.2; DB 9; Length 2729;  
Best Local Similarity 79.0%; Pred. No. 1.6e-175;  
Matches 723; Conservative 0; Mismatches 168; Indels 24; Gaps 6;

[illegible]

RESULT 2  
US-09-866-050A-555  
Sequence 555, Application US/09866050A  
Publication No. US20030040477A1  
GENERAL INFORMATION:  
APPLICANT: Watson, James D.  
APPLICANT: Strachan, Iorna  
~~APPLICANT:~~  
APPL INVENTOR: Sleeman, Matthew

```

; APPLICANT: Onrust, Rene
; APPLICANT: Marison, James G.
; APPLICANT: Kumble, Krishanand D.
; TITLE OF INVENTION: Compositions Isolated From Skin Cells
; TITLE OF INVENTION: and Methods for Their Use
; FILE REFERENCE: 11000.1011c4U
; CURRENT APPLICATION NUMBER: US/09/866,050A
; CURRENT FILING DATE: 2001-05-24
; NUMBER OF SEQ ID NOS: 725
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 555
; LENGTH: 2729
; TYPE: DNA
; ORGANISM: Rat
US-09-866-050A-555

Query Match          55.7%;   Score 538.2;   DB 9;   Length 2729;
Best Local Similarity 79.0%;   Pred. No. 1.6e-175;
Matches 723; Conservative 0; Mismatches 168; Indels 24; Gaps 6

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							6
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DB	158	AACAGGTTCTTTCCGCTCGCTGCTGTGTTTGTCTGATTTTGGAGCTCTGTGTCCAG	217				
QY	133	TCTGCAGAGACTGAAGTCCGTCGCATGCTGGGCGACATGTGGTCTCAGCTGCATTCAC	192				
DB	218	GCTGAAGTTAAAGAGTAAATGCATGTGTGGGAGCGATGTGGAGCTCCGCTGCTTAT	277				
QY	193	CCCCACAGACGCCATTTTCACCTTGATGCTGTATGTCTATTGGCAAA--TCGAAAC	249				
DB	278	CCTCGGAGAGAGCATTTTCAAGCTTGATGTATGTGTCTATGCGCAATCGTCGATGAA	337				
QY	250	CCAGAACTTTGGTGACTTACTACTGC-----CTTACAGTCTCCAGGATTCATGTG	303				
DB	338	GCTAAACCTGTGTGACGATTAATCTGCGCCAGTGTAAAGATCTTCGACAAATCCATGTG	397				
QY	304	GACAGTTCTCTCAACAAACAGGGGGCCATCTGTCCCTGACCTCCATAGCAGGTAATCTTC	363				
DB	398	AGCAACTCTTACAGAAACAGGGGCCATCTGTACCGGACCTCATAGGAGGGCGCACTTC	457				
QY	364	TCTCTGTACCTGAGAAATGTCAACCCCTCAGATACCAGAGTTCAATGCCGGGTATT	423				
DB	458	TCCCTGCACCTGCAGAAATGTCAACCCCTCAGGATACAGGATTCAGAGTCTTGTGCTTT	517				
QY	424	ATGAATACAGCCACAGAGTTAGTCAAAATCTTGAAGAGGTGTGAGGCTGCGTGTGCA	483				
DB	518	AGG---AGTCCACAGGTGTAGGCAAGGCCCTTGAAGAGGTGTCAAGTGGGTGTGGA	574				
QY	484	GCMAACTTCAGTACACCTGTCTATCAGACCTGTGATAGTCTCAACCCGGGCCAGAGCT	543				
DB	575	GCMAACTTCAGTACAGCTGTCTATCAGACCTCTGGGAGCTCTGACCTCTGGCCAGGACCC	634				
QY	544	ACCTTACCTGTCATGTCCAAAGATGGCTACCCAGAGCCCACTGTATTGATTAACAACA	603				
DB	635	ACCTTCACTTGATGTGCCAAGATGGCTTACCAAGAGCCCACTGTATTGATTAACAACA	694				
QY	604	ACGGAACAATAGCCTTAATAGACACGGGTCTGCAGAAATPACATGTCTTACTTGAACAAGTTG	663				
DB	695	ACGGAACAATACCCTTAATAGACAGCTCTGCAGAAATPACACGGTCTACTTGAACAGTTG	754				
QY	664	GGCTGTATGATGATTAATCAGACATTAAAGGCTCCCTTGGACATCTGTGGGATGTCTCG	723				
DB	755	GGCTGTATGATGATGCTGTCAACACTAGAGAGATCCCTTGGACACCCCATGTGGATGTATC	814				
QY	724	TGCTGTGTAGAGATGTGCTCTCAACAGAAATCACTAGCTTTTGAAGCAGAGCAAGT	783				
DB	815	TGCTGTGTAGAGATGTGCTCTCCACCGAGATTAATTAAGTATACGCCGGGCAATAGT	874				
QY	784	TTTCACTGGA--AATPACAAGAAACCAACAGAAACCAACATTAATGATTTAAAGTC	840				
DB	875	TTTCACTGGAAGATGAACAACAGAGAGGCCACAGGAATCCACAGAGAGGCTTACAAAGTC	934				
QY	841	CTTGTCCCGGCTCTTGTCTATCGGGGAGGAGCATTTGGTTTCCTTATCA-----TA	894				

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: May 31, 2003, 02:53:00 ; Search time 51.7311 Seconds  
(without alignments)  
5726.719 Million cell updates/sec

Title: US-09-728-421E-6

Perfect score: 966  
Sequence: 1 atgcagctcaagctgcctcgtg.....ttgacttaccagaccagcc 966

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

T number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

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5: /cgn2\_6/ptodata/1/ina/PTUS COMB. seq.\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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C 2	33	3.4	2555	4 US-09-105-058C-26	Sequence 26, Appl
C 3	33	3.4	2914	4 US-09-177-650-6	Sequence 6, Appl
C 4	32.6	3.4	370	4 US-09-404-879A-346	Sequence 346, App
C 5	32.6	3.4	512	3 US-08-545-809A-2	Sequence 2, Appl
C 6	32.4	3.4	4403765	4 US-09-103-840A-2	Sequence 2, Appl
C 7	32.4	3.4	4411529	4 US-09-103-840A-1	Sequence 1, Appl
C 8	32.2	3.3	373	1 US-08-017-570-3	Sequence 3, Appl
C 9	32.2	3.3	373	1 US-08-017-570-5	Sequence 5, Appl
C 10	32.2	3.3	373	1 US-08-471-426-3	Sequence 3, Appl
C 11	32.2	3.3	373	1 US-08-471-426-5	Sequence 5, Appl
C 12	32.2	3.3	373	5 PCT-US94-01709-3	Sequence 3, Appl
C 13	32.2	3.3	373	5 PCT-US94-01709-3	Sequence 3, Appl
C 14	32.2	3.3	3048	1 US-08-188-228-47	Sequence 47, Appl
C 15	32.2	3.3	3048	1 US-08-332-644-41	Sequence 41, Appl
C 16	32.2	3.3	3048	1 US-08-332-644-47	Sequence 47, Appl
C 17	31.4	3.3	7266	6 5169760-3	Patent No. 5169760
C 18	31.4	3.3	19182	2 US-08-850-880-11	Sequence 11, Appl
C 19	31.4	3.3	19182	2 US-08-944-916-11	Sequence 11, Appl
C 20	31.4	3.3	19182	2 US-09-272-432A-11	Sequence 11, Appl
C 21	31.4	3.3	564	4 US-08-545-809A-8	Sequence 8, Appl
C 22	30.8	3.2	1550	4 US-09-378-528-1	Sequence 1, Appl
C 23	30.8	3.2	1610	2 US-08-646-981-15	Sequence 15, Appl
C 24	30.8	3.2	43795	3 US-08-742-185-101	Sequence 101, App
C 25	30.2	3.1	1151	2 US-08-456-104-3	Sequence 3, Appl
C 26	30.2	3.1	1151	2 US-08-205-697A-20	Sequence 20, Appl
C 27	30.2	3.1	1151	4 US-08-702-525-20	Sequence 20, Appl

28	30.2	3.1	1151	5 PCT-US95-02576-20	Sequence 20, Appl
29	30.2	3.1	1163	3 US-08-479-744A-22	Sequence 22, Appl
30	30.2	3.1	1163	3 US-08-280-757B-22	Sequence 22, Appl
31	30.2	3.1	1261	4 US-08-205-697A-12	Sequence 12, Appl
32	30.2	3.1	1261	4 US-08-702-525-12	Sequence 12, Appl
33	30.2	3.1	1261	5 PCT-US95-02576-12	Sequence 12, Appl
C 34	30.2	3.1	1261	4 US-08-794-158-1	Sequence 1, Appl
C 35	30.2	3.1	2637	4 US-08-794-158-3	Sequence 3, Appl
C 36	30.2	3.1	2713	4 US-08-804-439A-13	Sequence 13, Appl
C 37	30.2	3.1	2713	3 US-08-720-225-13	Sequence 13, Appl
C 38	30.2	3.1	3472	6 5244792-2	Patent No. 5244792
C 39	30.2	3.1	3819	1 US-08-072-574-5	Sequence 5, Appl
C 40	30.2	3.1	3919	1 US-08-486-270-5	Sequence 5, Appl
C 41	30.2	3.1	3919	1 US-08-367-264-5	Sequence 5, Appl
C 42	30.2	3.1	3919	4 US-09-153-757-5	Sequence 5, Appl
C 43	30.2	3.1	1995	4 US-08-425-069-3	Sequence 3, Appl
C 44	30.2	3.1	1995	2 US-08-317-844B-3	Sequence 3, Appl
C 45	30.2	3.1	2580	3 US-09-050-863-2	Sequence 2, Appl

## ALIGNMENTS

RESULT 1  
US-09-105-058C-17/C  
Sequence 17, Application US/09105058C  
Patent No. 6403360  
GENERAL INFORMATION:  
APPLICANT: Blanz, Michael A.  
APPLICANT: Dworesky, Steven  
APPLICANT: Gribkoff, Valentin K.  
APPLICANT: Levesque, Paul C.  
APPLICANT: Little, Wayne A.  
APPLICANT: Neudauer, Michael G.  
APPLICANT: Yang, Wen-Pin  
TITLE OF INVENTION: KCNQ POTASSIUM CHANNELS AND METHODS OF MODULATING SAME  
FILE REFERENCE: 3053-4052  
CURRENT APPLICATION NUMBER: US/09/105,058C  
CURRENT FILING DATE: 1998-06-26  
PRIOR APPLICATION NUMBER: US 60/055,599  
PRIOR FILING DATE: 1997-08-12  
NUMBER OF SEQ ID NOS: 28  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 17  
LENGTH: 930  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: 930 nucleotides of human KCNQ3  
US-09-105-058C-17

Query Match 3.4% Score 33; DB 4; Length 930;  
Best Local Similarity 52.5%; Pred. No. 1.2;  
Matches 95; Conservative 0; Mismatches 85; Indels 1; Gaps 1;

QY 281 ACAAGTTCACAGGATCATGTGACAGTTCCTACAGACAGGGCCATGCTCCGCG 340  
DB 244 ACTCGCTCCCAAGATGAATAATAGCAATGCTCCAGTAAGAGCAAGCA-GTCTCCGAG 186  
QY 341 ACTCATGAGAGAGGATCACTTCTCTGTAACCTGAGAGATGTCAACCCCTGAGATACC 400  
DB 185 AAGAGTCTCATCTCTTGAATGTGTGACAGACAGCAAGATCAAGACCCAGGACATC 126  
QY 401 AAGAGTTCACAGGATCATGTGACAGTTCCTACAGACAGGGCCATGCTCCGCG 460  
DB 125 AAGAGTTCACAGGATCATGTGACAGTTCCTACAGACAGGGCCATGCTCCGCG 66  
QY 461 A 461  
DB 65 A 65

RESULT 2

US-09-105-058C-26/c  
Sequence 26, Application US/09105058C  
Patent No. 6403360  
GENERAL INFORMATION:  
APPLICANT: Blamart, Michael A.  
APPLICANT: Dworetzky, Steven  
APPLICANT: Gridscoff, Valentin K.  
APPLICANT: Levesque, Paul C.  
APPLICANT: Little, Wayne A.  
APPLICANT: Neubauer, Michael G.  
APPLICANT: Yang, Wen-Pin  
TITLE OF INVENTION: KCNO POTASSIUM CHANNELS AND METHODS OF MODULATING SAME  
FILE REFERENCE: 3053-4052  
CURRENT FILING DATE: 1998-06-26  
PRIOR FILING DATE: 1997-08-12  
NUMBER OF SEQ ID NOS: 28  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO 26  
LENGTH: 2565  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-105-058C-26

Query Match 3.4%; Score 33; DB 4; Length 2565;  
Best Local Similarity 52.5%; Pred. No. 2.1;  
Matches 95; Conservative 0; Mismatches 85; Indels 1; Gaps 1;

DB 281 ACAAGTCTCCAGGATCAATGTGACAGGTTCTTCAAGAACAGGGGCGCATCTGCCCTG 340  
DB 457 ACTCGGCTCCAAATGATAATGCAATGCTTCCAGTAACAGAGCCA-GTCTCCCGAG 399  
DB 341 ACTCCATGAGGAGGAGTACTTCTCTGTACTGAGTAATGTCAACCCCTCAGATATCC 400  
DB 398 ACAGTCTCATCTCTTGAATGTGTGACAGCAGCAGCAATCAAGCAGCCAGACATC 339  
DB 401 AGAGTTCAATGCGGGTATTATGAATACAGCCAGAGTATGTAAGATCTTGAAG 460  
DB 338 AGAATACCAACGCGGTGTAAGACAGCCGCGCGGTCTCTCAGGGCGTCTGAG 279  
DB 461 A 461  
DB 278 A 278

RESULT 3

US-09-177-650-6/c  
Sequence 6, Application US/09177650  
Patent No. 6413719  
GENERAL INFORMATION:  
APPLICANT: Leppert, Mark F.  
APPLICANT: Singh, Nanda  
APPLICANT: Charlier, Carole  
TITLE OF INVENTION: KCNO2 AND KCNO3 - POTASSIUM CHANNEL GENES WHICH ARE  
TITLE OF INVENTION: MUTATED IN BENIGN FAMILIAL NEONATAL CONVULSIONS (BFNC)  
TITLE OF INVENTION: AND OTHER EPILEPSIES  
FILE REFERENCE: 2323-134  
CURRENT FILING DATE: 1998-10-23  
PRIOR FILING DATE: 1997-10-24  
NUMBER OF SEQ ID NOS: 129  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 6  
LENGTH: 2914  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (19) (2634)  
FEATURE:  
NAME/KEY: allele

LOCATION: (840)  
OTHER INFORMATION: The polymorphism of a T to a C at this position  
OTHER INFORMATION: has appeared in one individual.  
FEATURE:  
NAME/KEY: mutation  
LOCATION: (947)  
OTHER INFORMATION: The missense mutation from a G to a T occurs at  
OTHER INFORMATION: this position in a BFNC family.  
FEATURE:  
NAME/KEY: allele  
LOCATION: (678)  
OTHER INFORMATION: This position is polymorphic for C or T.  
FEATURE:  
NAME/KEY: allele  
LOCATION: (750)  
OTHER INFORMATION: This position is polymorphic for T or C.  
FEATURE:  
NAME/KEY: allele  
LOCATION: (1089)  
OTHER INFORMATION: This position is polymorphic for G or C.  
FEATURE:  
NAME/KEY: allele  
LOCATION: (2598)  
OTHER INFORMATION: This position is polymorphic for T or C.  
US-09-177-650-6

Query Match 3.4%; Score 33; DB 4; Length 2914;  
Best Local Similarity 52.5%; Pred. No. 2.2;  
Matches 95; Conservative 0; Mismatches 85; Indels 1; Gaps 1;

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DB 529 ACTCGGCTCCAAATGATAATGCAATGCTTCCAGTAACAGAGCCA-GTCTCCCGAG 471  
DB 341 ACTCCATGAGGAGTACTTCTCTGTACTGAGTAATGTCAACCCCTCAGATATCC 400  
DB 470 ACAGTCTCATCTCTTGAATGTGTGACAGCAGCAGCAATCAAGCAGCCAGACATC 411  
DB 401 AGAGTTCAATGCGGGTATTATGAATACAGCCAGAGTATGTAAGATCTTGAAG 460  
DB 410 AGAATACCAACGCGGTGTAAGACAGCCGCGCGGTCTCTCAGGGCGTCTGAG 351  
DB 461 A 461  
DB 350 A 350

RESULT 4

US-09-404-879A-346/c  
Sequence 346, Application US/09404879A  
Patent No. 6468546  
GENERAL INFORMATION:  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: King, Gordon E.  
APPLICANT: Algate, Paul A.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER  
FILE REFERENCE: 210121.462C2  
CURRENT FILING DATE: 1999-09-24  
NUMBER OF SEQ ID NOS: 393  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 346  
LENGTH: 370  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-404-879A-346  
Query Match 3.4%; Score 32.6; DB 4; Length 370;  
Best Local Similarity 57.3%; Pred. No. 1;  
Matches 59; Conservative 0; Mismatches 44; Indels 0; Gaps 0;  
368 TGTAAGATGTACCCCTCAGATACCCAGAGTTACATGCGGGTATTATCA 427

May 31, 2003, 02:58:16 ; Search time 148.249 Seconds  
(without ...)

Title: US-09-728-431E-11 /858.306 Million cell updates/sec

Sequence: 1 atgcgcgtggcagtcctgg.....tccaacacacactatncaaat acca

IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 845702 Begs, 674182571 residues

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Minimum DB sec length: 0
1691404

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Post-processed: 200000000000

Maximum Match 100%  
Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	863.6	100.0	2114	9	US-10-091-438-101	Sequence 101, App
2	863.6	100.0	2114	9	US-09-764-858-132	Sequence 132, App
3	863.6	100.0	2751	10	US-09-789-561-64	Sequence 64, App
4	862.4	99.8	2616	10	US-09-764-853-210	Sequence 210, App
5	862.4	99.8	2622	10	US-10-091-438-99	Sequence 99, App
6	862.4	99.8	2622	10	US-09-764-853-390	Sequence 390, App
7	862.4	99.8	2751	9	US-10-091-438-39	Sequence 39, App
8	298.4	34.5	2729	9	US-10-152-661-555	Sequence 555, App
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10	126.2	14.6	826	9	US-10-091-433-100	Sequence 100, App
11	126.2	14.6	826	10	US-09-764-853-391	Sequence 391, App
12	44.8	5.2	1095	9	US-10-156-424A-3	Sequence 3, App
13	43.8	5.1	1517	9	US-09-789-561-63	Sequence 63, App
14	43.8	5.1	1517	10	US-09-789-561-63	Sequence 63, App
15	43.8	5.1	1958	9	US-09-978-295A-136	Sequence 136, App
16	43.8	5.1	1958	9	US-09-978-697-136	Sequence 136, App
17	43.8	5.1	1958	9	US-09-978-192A-136	Sequence 136, App
18	43.8	5.1	1958	9	US-09-999-832A-136	Sequence 136, App
19	43.8	5.1	1958	9	US-09-978-169-136	Sequence 136, App

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27	43.8	5.1	1998	9	US-10-176-757-53	Sequence 53, App
28	43.8	5.1	1998	9	US-10-176-913-53	Sequence 53, App
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39	43.8	5.1	1998	9	US-10-176-488-53	Sequence 53, App
40	43.8	5.1	1998	9	US-10-176-492-53	Sequence 53, App
41	43.8	5.1	1998	9	US-10-176-747-53	Sequence 53, App
42	43.8	5.1	1998	9	US-10-176-750-53	Sequence 53, App
43	43.8	5.1	1998	9	US-10-176-885-53	Sequence 53, App
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45	43.8	5.1	1998	9	US-10-176-991-53	Sequence 53, App

## ALIGNMENTS

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1 RESULT 1
2 US-10-091-438-101
3 / Sequence 101, Application US//10091438
4 / Publication No. US20030077606A1
5 / GENERAL INFORMATION:
6 / APPLICANT: Rosen et al.
7 / TITLE OR INVENTION: Nucleic Acids, Proteins, and Antibodies
8 / FILE REFERENCE: PZ121C1
9 / CURRENT APPLICATION NUMBER: US/10/091,438
10 / CURRENT FILING DATE: 2001-01-17
11 / PRIOR APPLICATION NUMBER: 09/764,879
12 / PRIOR FILING DATE: 2001-01-17
13 / PRIOR APPLICATION NUMBER: 60/179,065
14 / PRIOR FILING DATE: 2000-01-31
15 / PRIOR APPLICATION NUMBER: 60/180,628
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Sat May 31 17:25:24 2003

us-09-728-421 -11.rnpb

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PRIOR APPLICATION NUMBER: 60/232,399  
PRIOR FILING DATE: 2000-09-14

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

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(without alignments)  
5726.719 Million cell updates/sec

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Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

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Post-processing: Minimum March 0%

Maximum March 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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## ALIGNMENTS

RESULT 1  
US-07-951-715A-2

Sequence 2, Application US/07951715A

Patent No. 5623136

GENERAL INFORMATION:

APPLICANT: Koziet, Michael G.

APPLICANT: Desai, Nalini M.

APPLICANT: Lewis, Kelly S.

APPLICANT: Kramer, Vance C.

APPLICANT: Warren, Gregory W.

APPLICANT: Evola, Stephen V.

APPLICANT: Crossland, Lyle D.

APPLICANT: Wright, Martha S.

APPLICANT: Merlin, Ellis J.

APPLICANT: Launis, Karen L.

APPLICANT: Rothelein, Steven J.

APPLICANT: Bowman, Cindy G.

APPLICANT: Dawson, John L.

APPLICANT: Dunder, Erik M.

APPLICANT: Pace, Gary M.

APPLICANT: Suttie, Janet L.

TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED

TITLE OF INVENTION: INSECTICIDAL ACTIVITY IN MAIZE

NUMBER OF SEQUENCES: 94

CORRESPONDENCE ADDRESS:

ADDRESS: CIBA-GEIGY Corporation

STREET: 7 Skyline Drive

CITY: Hawthorne

STATE: New York

COUNTRY: USA

ZIP: 10532

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.308

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/951,715A

FILING DATE: 25-SEP-1992

CLASSIFICATION: 800

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/772,027

FILING DATE: 04-OCT-1991

ATTORNEY/AGENT INFORMATION:

NAME: Spull, W. Murray

REGISTRATION NUMBER: 32,943

REFERENCE/DOCKET NUMBER: S-18805/A/CGC 1577/CIP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (919)541-8615

TELEFAX: (919)541-8689

INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3468 base pairs  
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TOPOLOGY: linear  
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FEATURE:  
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OTHER INFORMATION: /note= "Disclosed in Figure 3 as syn11.mze"  
US-07-951-715A-2

Query Match 5.0%; Score 43.4; DB 1; Length 3468;  
Best Local Similarity 46.3%; Pred. No. 0.035;  
Matches 143; Conservative 0; Mismatches 166; Indels 0; Gaps 0;  
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RESULT 2  
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Sequence 2, Application US/08459448A  
Patent No. 5859336  
GENERAL INFORMATION:  
APPLICANT: Kozielec, Michael G.  
APPLICANT: Desai, Nalin M.  
APPLICANT: Lewis, Kelly S.  
APPLICANT: Kramer, Vance C.  
APPLICANT: Warren, Gregory W.  
APPLICANT: Ewola, Stephen V.  
APPLICANT: Crossland, Lytle D.  
APPLICANT: Wright, Martha S.  
APPLICANT: Merilin, Ellis J.  
APPLICANT: Launis, Karen L.  
APPLICANT: Rothstein, Steven J.  
APPLICANT: Bowman, Cindy G.  
APPLICANT: Dawson, John L.  
APPLICANT: Dunder, Erik M.  
APPLICANT: Pace, Gary M.  
APPLICANT: Suttie, Janet L.  
TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED  
TITLE OF INVENTION: INSECTICIDAL ACTIVITY IN MAIZE  
NUMBER OF SEQUENCES: 94  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. 5859336artis Corporation  
STREET: Patent & Trademark Dept., 520 White Plains

STREET: Rd., POB 2005  
CITY: Tarrytown  
STATE: New York  
COUNTRY: USA  
ZIP: 10591-9005  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,448A  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 800  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/951,715  
FILING DATE: 25-SEP-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/772,027  
FILING DATE: 04-OCT-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Pace, Gary M.  
REGISTRATION NUMBER: 40403  
REFERENCE/DOCKET NUMBER: CGC 1577/CIP/DIV4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (919)541-8682  
FAX: (919)541-8689  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3468 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "Synthetic DNA"  
HYPOTHETICAL: NO  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: 1..3468 /product= "Full-length pure maize  
OTHER INFORMATION: optimized synthetic Br"  
OTHER INFORMATION: /note= "Disclosed in Figure 3 as syn11.mze"  
US-08-459-448A-2  
Query Match 5.0%; Score 43.4; DB 2; Length 3468;  
Best Local Similarity 46.3%; Pred. No. 0.035;  
Matches 143; Conservative 0; Mismatches 166; Indels 0; Gaps 0;  
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QY 255 GATGTACCGGCGCGGAGTGGAGCGGAGCTTCCCTGCGCTTGTTCACGTCACCC 314  
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QY 315 CCAGAGCAGAGCAAGATTCTACTGCTGCTGTGTGAGCAATCCCTGGAGATTCCAGAGGT 374  
DB 1245 CCAGAAACAAGAGCGGCGCGCGCGCGCTTACGACCGCTGAGCGACGTCAGAT 1304  
QY 375 TTGAGCGTTGAGTTACTGATGTCAGTGTGACAACTTACGCTGCGCTGTCAGCGC 434  
DB 1305 GTTCGCGAGCGGCTTACGAAACAGAGAGTGAAGATATATCCGCGCCCAATGTTCACTG 1364  
QY 435 CCCCCAGAGCGCTCCAGAGTGAAGTCACTTCACTGTCATCATCAAAAGCGTCACCC 494  
DB 1365 GATCCAGCGAGCGCGCGAGTTCACAAACATCATCCCGAGCGAGATCCAGATCC 1424  
QY 495 CAGGCCCAA 503  
DB 1425 CCTGACCAA 1433



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OM nucleic - nucleic search, using sw model

Run on: May 31, 2003, 04:52:21 / Search time 229 Seconds

(without alignments)  
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Title: US-09-728-421E-16

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Searched: 845702 seqs, 674182571 residues

Wc size: 0

Total number of hits satisfying chosen parameters: 1691404

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 150 summaries

Database:

Published Applications NA:\*

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- 14: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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4	1114	86.1	2622	9	US-10-091-438-99
5	1114	86.1	2622	10	US-09-764-853-390
6	1114	86.1	2751	9	US-10-091-438-39
7	1114	86.1	2751	10	US-09-764-853-164
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9	288	22.3	826	10	US-09-764-853-191
10	67	5.2	394	9	US-10-091-438-330
11	67	5.2	394	10	US-09-764-853-330
12	66	5.1	1215	9	US-09-984-245-20
13	66	5.1	1215	9	US-09-984-245-20
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16	66	5.1	1215	9	US-09-984-245-20
17	66	5.1	1215	9	US-09-984-245-20
18	64	4.9	1450	10	US-10-013-090-20
19	64	4.9	1450	10	US-09-764-853-186
20	64	4.9	1451	9	US-10-091-438-64
21	64	4.9	1451	10	US-09-764-853-375

93 54 4.2 703 9 US-09-764-891-2321  
94 54 4.2 768 9 US-09-764-891-2188  
95 54 4.2 769 9 US-10-098-841-159  
96 54 4.2 770 9 US-09-764-872-186  
97 54 4.2 790 9 US-09-798-889-11  
98 54 4.2 807 10 US-09-925-300-391  
99 54 4.2 831 10 US-10-054-988-25  
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103 54 4.2 866 9 US-09-764-904-36  
104 54 4.2 866 9 US-10-091-548-36  
105 54 4.2 866 9 US-10-074-095-295  
106 54 4.2 866 10 US-09-764-860-295  
107 54 4.2 945 9 US-10-050-704-68  
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122 54 4.2 2649 10 US-09-789-919-24  
123 54 4.2 345 9 US-10-102-806-340  
124 54 4.1 451 9 US-10-072-349-76  
125 52 4.0 451 10 US-09-764-855-76  
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127 52 4.0 653 10 US-09-925-299-588  
128 52 4.0 756 9 US-10-091-483-87  
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136 52 4.0 1220 9 US-09-764-870-193  
137 52 4.0 1220 10 US-09-925-302-296  
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144 52 4.0 2247 9 US-09-764-870-273  
145 52 4.0 2403 9 US-09-764-868-396  
146 52 4.0 2403 10 US-09-800-729-214  
147 52 4.0 2464 10 US-09-764-864-458  
148 52 4.0 2772 10 US-09-989-442-60  
149 52 4.0 2925 9 US-09-989-442-60  
150 52 4.0 2925 9 US-10-073-863-59

## ALIGNMENTS

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Sequence 2188, App  
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Sequence 186, App  
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Sequence 391, App  
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Sequence 60, App  
Sequence 59, App

PRIOR APPLICATION NUMBER: 09/764,879  
PRIOR FILING DATE: 2001-01-17  
PRIOR APPLICATION NUMBER: 60/179,065  
PRIOR FILING DATE: 2000-01-31  
PRIOR APPLICATION NUMBER: 60/180,628  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: 60/214,886  
PRIOR FILING DATE: 2000-06-28  
PRIOR APPLICATION NUMBER: 60/217,487  
PRIOR FILING DATE: 2000-07-11  
PRIOR APPLICATION NUMBER: 60/225,758  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/220,963  
PRIOR FILING DATE: 2000-07-26  
PRIOR APPLICATION NUMBER: 60/217,496  
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PRIOR APPLICATION NUMBER: 60/225,447  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/218,290  
PRIOR FILING DATE: 2000-07-14  
PRIOR APPLICATION NUMBER: 60/225,757  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/226,868  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 60/216,647  
PRIOR FILING DATE: 2000-07-07  
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PRIOR APPLICATION NUMBER: 60/216,880  
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PRIOR FILING DATE: 2000-08-14  
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PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/235,834  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: 60/234,274  
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PRIOR APPLICATION NUMBER: 60/228,924  
PRIOR FILING DATE: 2000-08-30  
PRIOR APPLICATION NUMBER: 60/224,518  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/236,369  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/224,519  
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PRIOR FILING DATE: 2000-07-26  
PRIOR APPLICATION NUMBER: 60/241,809  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/249,299  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/236,327  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/241,785  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/244,617  
PRIOR FILING DATE: 2000-11-01  
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PRIOR FILING DATE: 2000-12-08  
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PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/229,344  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/234,997  
PRIOR FILING DATE: 2000-09-25  
PRIOR APPLICATION NUMBER: 60/229,343

RESULT 1  
US-10-091-438-101  
Sequence 101, Application US/10091438  
Publication No. US2003007606a1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
FILE REFERENCE: PTL17C1  
CURRENT APPLICATION NUMBER: US/10/091,438  
CURRENT FILING DATE: 2001-01-17